Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629580

Luminaire Tested: GWS-SA1B-830-U-T2-W-GRSBK

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P629580
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-T2-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1691.2 lumens
Efficiency:	N/A
Efficacy:	67.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G0

Input Watts (W):	25
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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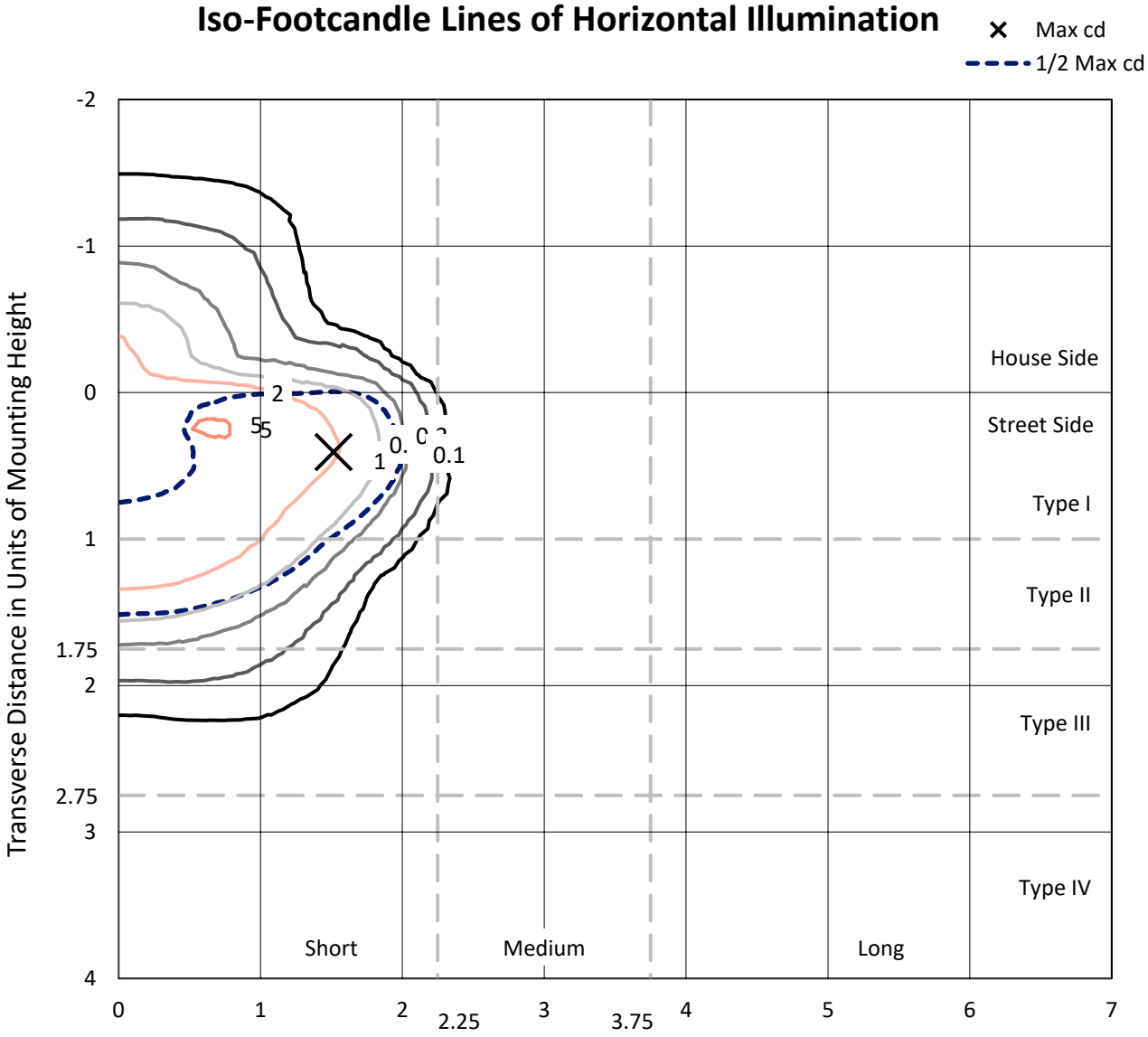
REPORT NUMBER: P629580
CATALOG NUMBER: GWS-SA1B-830-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
Type II - Short - N/A

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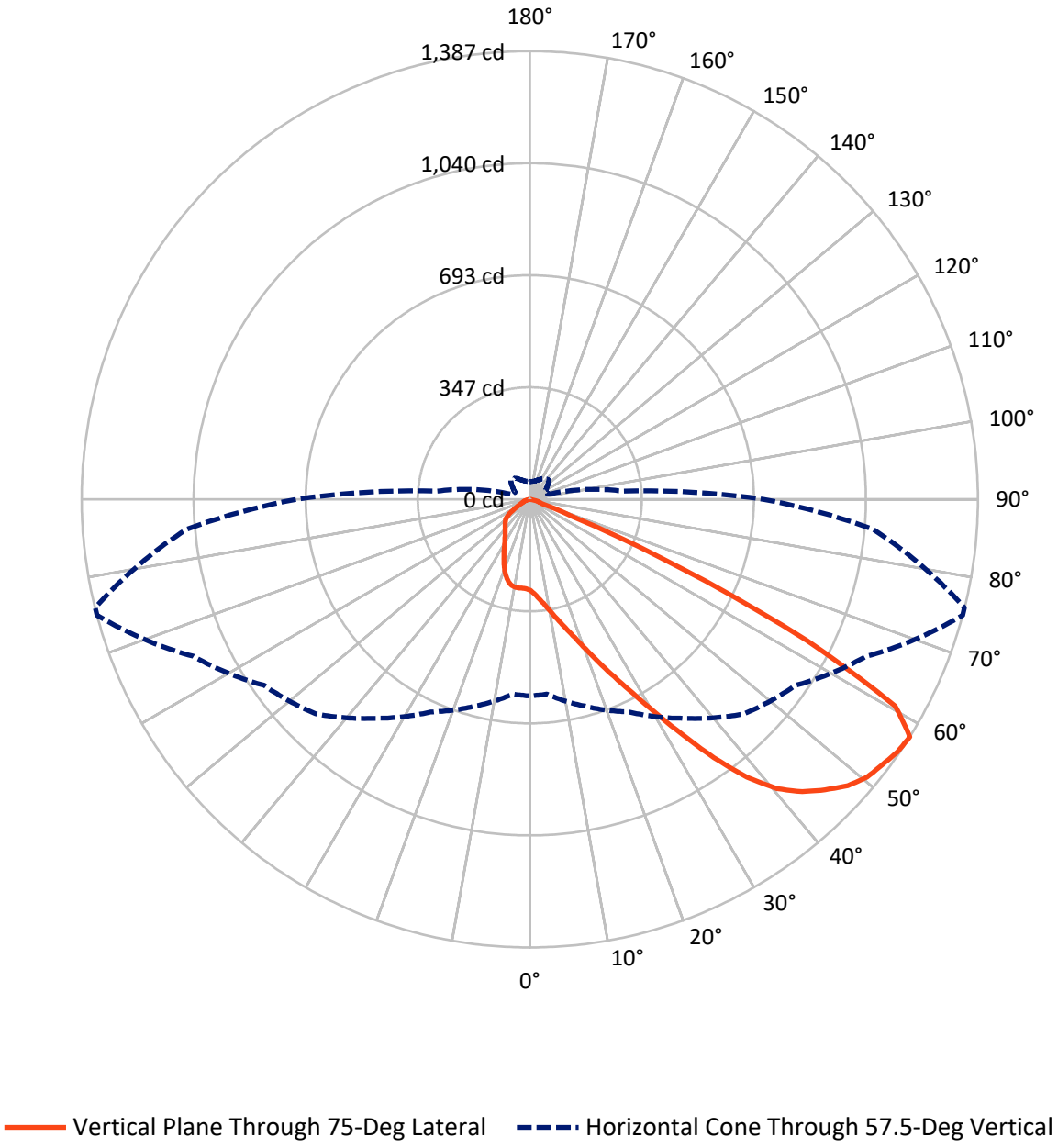
Luminous Intensity Polar Plot



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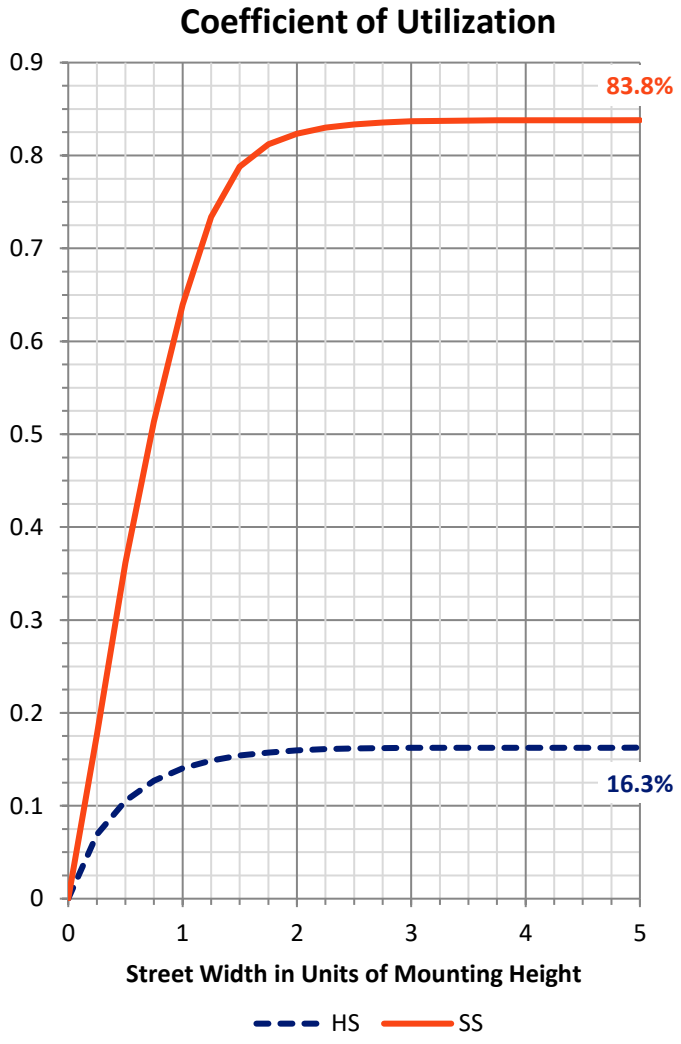
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	276.3	0.0	276.3
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1414.9	0.0	1414.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	1691.2	0.0	1691.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	1.7
10°-20°	93.2	5.5
20°-30°	170.7	10.1
30°-40°	283.3	16.8
40°-50°	432.6	25.6
50°-60°	486.1	28.7
60°-70°	179.3	10.6
70°-80°	17.1	1.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1691.2	100.0
0°-180°	1691.2	100.0



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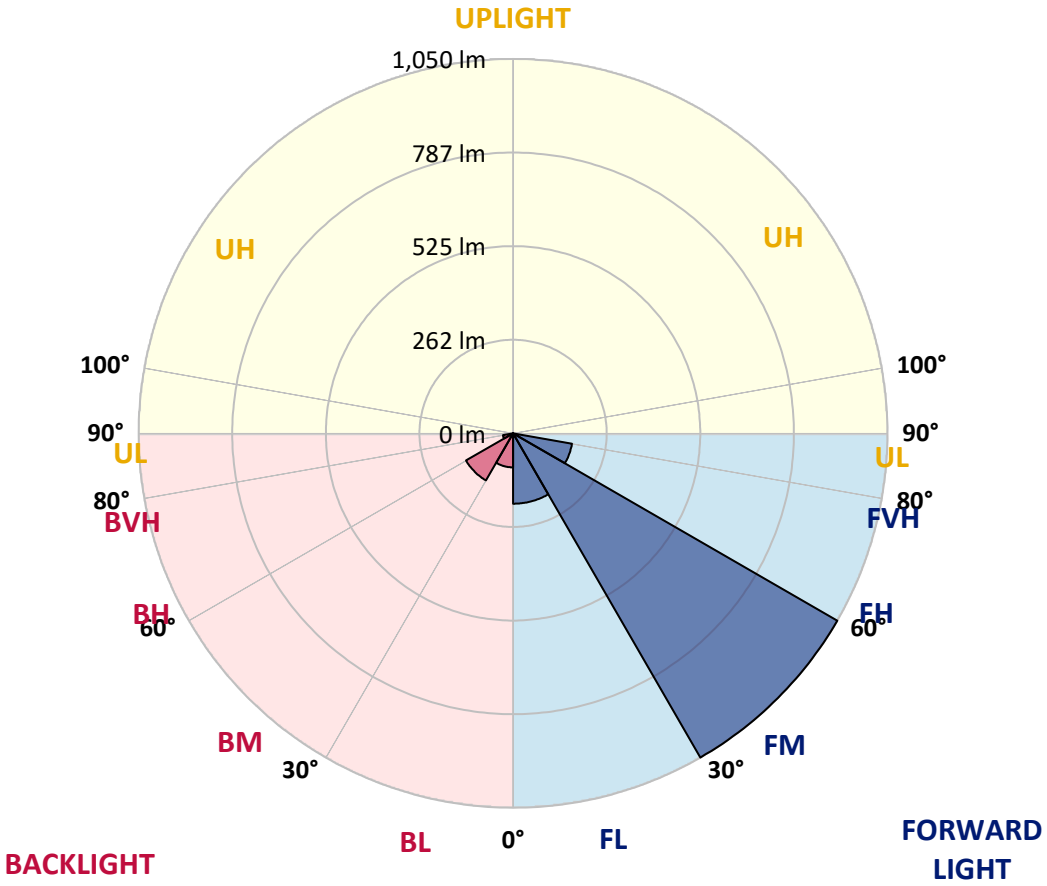
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	197.4	11.7			
FM	(30°-60°)	1049.8	62.1			
FH	(60°-80°)	167.8	9.9			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	95.3	5.6	B0/110		
BM	(30°-60°)	152.2	9.0	B0/220		
BH	(60°-80°)	28.7	1.7	B0/110		G0/110
BVH	(80°-90°)	0.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
Type II Short



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REPORT NUMBER: P629580
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	*282.1*	282.1	282.1
2.5°	315.1	318.4	317.4	315.3	314.1	309.8	307.2	299.4	*293.9*	293.3	288.2
5°	354.9	354.3	353.5	351.1	349.0	342.3	334.3	321.3	*309.6*	308.2	297.4
7.5°	376.8	377.2	377.6	377.2	375.8	370.6	361.9	346.6	*328.8*	327.6	310.4
10°	385.8	386.6	388.6	392.5	396.0	395.5	390.4	374.7	*352.9*	350.9	327.8
12.5°	390.0	391.1	394.3	401.7	411.1	418.4	419.2	405.1	*381.1*	377.8	348.4
15°	396.0	397.0	401.1	410.7	424.3	438.8	448.2	439.2	*412.3*	408.8	371.1
17.5°	398.6	400.0	406.0	418.6	436.4	458.6	479.8	479.0	*449.2*	446.6	397.4
20°	403.7	404.7	410.0	423.7	445.1	477.2	512.9	525.8	*494.3*	490.5	429.2
22.5°	419.8	420.2	422.7	431.3	451.3	490.7	546.6	580.3	*547.6*	542.5	464.9
25°	446.2	446.0	447.0	448.4	463.1	504.3	579.0	641.7	*608.6*	603.1	505.4
27.5°	479.6	479.6	482.1	478.0	483.9	521.3	611.1	712.3	*679.7*	671.9	549.6
30°	519.0	518.8	524.5	518.0	519.8	548.0	645.6	789.3	*765.4*	755.8	600.7
32.5°	572.5	571.3	577.8	568.8	562.7	588.4	687.6	869.7	*868.0*	853.3	664.8
35°	640.1	638.0	640.1	631.3	620.3	645.0	742.7	949.9	*981.9*	966.4	741.1
37.5°	707.2	713.7	716.0	700.9	691.9	716.6	809.1	1021.7	*1090.7*	1074.6	820.5
40°	786.4	784.4	792.1	775.2	769.5	796.8	874.0	1075.2	*1176.9*	1161.5	891.1
42.5°	844.8	848.5	858.0	848.7	844.2	869.9	928.5	1106.4	*1236.7*	1221.5	941.5
45°	914.8	917.4	921.1	913.4	908.7	934.0	967.9	1120.1	*1282.2*	1265.8	975.4
47.5°	990.5	992.5	992.5	976.6	961.5	971.9	994.2	1127.9	*1324.0*	1308.3	1000.5
50°	1044.8	1045.8	1054.8	1043.6	1010.7	994.6	1006.2	1135.4	*1351.8*	1337.1	1008.7
52.5°	996.6	995.4	1025.0	1048.3	1057.0	1025.0	1027.0	1146.4	*1365.2*	1352.6	1015.2
55°	839.3	837.2	878.9	935.4	1012.8	1053.8	1052.1	1153.0	*1380.1*	1372.4	1038.9
57.5°	*608.4*	*605.0*	*662.9*	*725.8*	*827.2*	*938.5*	*1003.8*	*1149.3*	*1386.7*	*1386.1*	*1066.4*
60°	365.8	362.9	417.6	483.7	562.1	673.9	782.3	1029.5	*1299.3*	1300.5	994.8
62.5°	225.1	227.8	277.2	310.8	340.0	373.7	436.4	692.5	*962.5*	970.5	699.0
65°	151.4	153.5	199.2	241.7	241.7	197.6	169.6	331.1	*513.5*	500.0	330.6
67.5°	101.6	103.9	140.0	189.6	196.8	137.8	68.8	98.8	*143.1*	138.8	81.8
70°	59.8	62.3	93.3	130.0	143.3	95.9	45.9	41.8	*40.6*	39.4	31.8
72.5°	26.7	27.8	47.6	66.1	60.4	40.4	32.5	33.5	*31.6*	31.0	25.9
75°	8.2	8.6	12.2	14.3	14.5	14.5	19.6	26.3	*24.9*	25.1	20.0
77.5°	2.0	2.0	3.3	3.1	1.6	1.4	3.7	5.9	*6.1*	5.5	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	*0.2*	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

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REPORT NUMBER: P629580
CATALOG NUMBER: GWS-SA1B-830-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1
2.5°	285.9	280.6	277.2	272.3	268.8	265.1	261.9	259.2	257.8	257.4	257.6
5°	292.5	284.1	275.9	266.6	260.0	253.9	249.0	245.1	243.3	242.7	242.7
7.5°	302.5	290.8	276.4	261.7	250.6	241.0	235.3	231.0	229.4	229.0	227.8
10°	315.5	299.6	275.7	252.9	237.4	227.4	223.3	222.1	222.7	222.9	222.7
12.5°	331.3	308.8	271.9	240.0	223.3	217.2	217.6	220.8	224.5	226.3	226.8
15°	348.0	317.2	263.1	224.7	211.2	211.0	217.0	224.5	231.7	234.7	235.5
17.5°	366.8	323.9	249.6	208.4	200.8	206.8	217.4	229.0	238.6	243.7	244.7
20°	387.4	329.4	232.5	193.1	191.7	202.3	217.0	231.2	243.1	248.8	249.8
22.5°	408.8	333.3	212.7	179.0	183.3	197.2	213.1	227.0	238.2	244.7	245.5
25°	433.3	333.7	192.5	167.2	175.5	190.2	203.7	215.1	224.5	230.2	230.8
27.5°	454.7	328.8	174.5	157.6	168.4	181.7	190.6	197.0	203.5	206.8	207.0
30°	479.4	320.2	157.6	149.8	161.0	171.0	175.5	177.0	177.6	178.2	177.4
32.5°	508.8	309.8	144.9	142.3	152.7	159.4	160.6	157.8	154.3	149.4	148.2
35°	545.0	300.4	134.5	134.9	143.5	147.6	146.5	140.4	133.7	127.8	126.7
37.5°	584.1	292.5	126.5	127.8	133.5	136.3	133.3	126.5	123.5	118.4	118.6
40°	618.8	285.9	119.4	120.6	123.3	125.9	121.0	116.5	122.3	121.8	122.3
42.5°	643.5	280.4	113.3	112.7	114.5	116.3	112.7	110.4	120.0	117.4	118.8
45°	658.0	275.3	108.2	104.5	107.4	110.6	108.2	105.3	108.6	96.3	95.3
47.5°	667.8	272.5	103.7	96.5	101.6	107.4	102.3	95.3	90.6	80.0	79.2
50°	668.8	271.0	98.4	88.4	94.9	101.0	95.1	85.5	78.8	74.1	73.5
52.5°	674.1	273.9	91.0	78.0	85.1	94.9	90.8	81.2	72.0	68.0	67.1
55°	697.8	285.9	78.8	63.7	74.1	90.2	87.4	72.5	63.7	61.2	60.6
57.5°	*722.3*	*288.4*	*62.0*	*50.4*	*64.5*	*83.5*	*79.8*	*66.7*	*58.2*	*55.3*	*54.7*
60°	660.5	237.6	46.5	41.6	56.9	77.2	73.9	63.3	53.3	49.8	49.2
62.5°	433.9	128.4	36.9	35.3	48.0	65.3	67.4	57.1	47.6	43.9	43.7
65°	200.0	59.6	28.4	28.0	37.6	52.0	58.0	50.0	40.2	36.9	36.9
67.5°	54.5	29.6	22.2	20.6	25.5	34.9	42.2	37.4	28.6	24.7	24.5
70°	27.1	23.9	20.0	17.8	18.4	21.6	24.9	20.8	14.5	11.8	11.6
72.5°	22.2	19.6	16.9	15.1	13.9	13.3	12.9	10.4	6.7	5.1	4.9
75°	16.5	14.1	12.0	9.8	8.4	7.8	6.9	5.1	2.9	1.6	1.4
77.5°	3.7	3.5	3.3	2.4	2.2	1.8	1.4	1.0	0.4	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

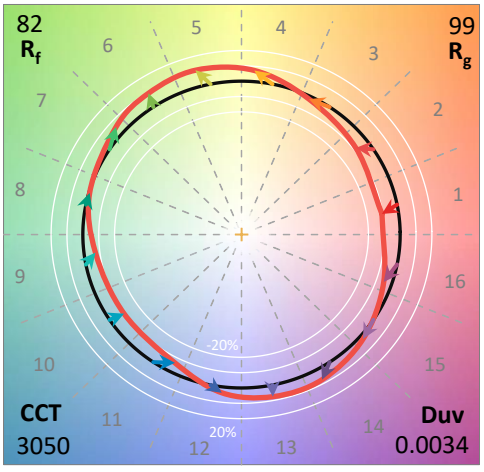
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

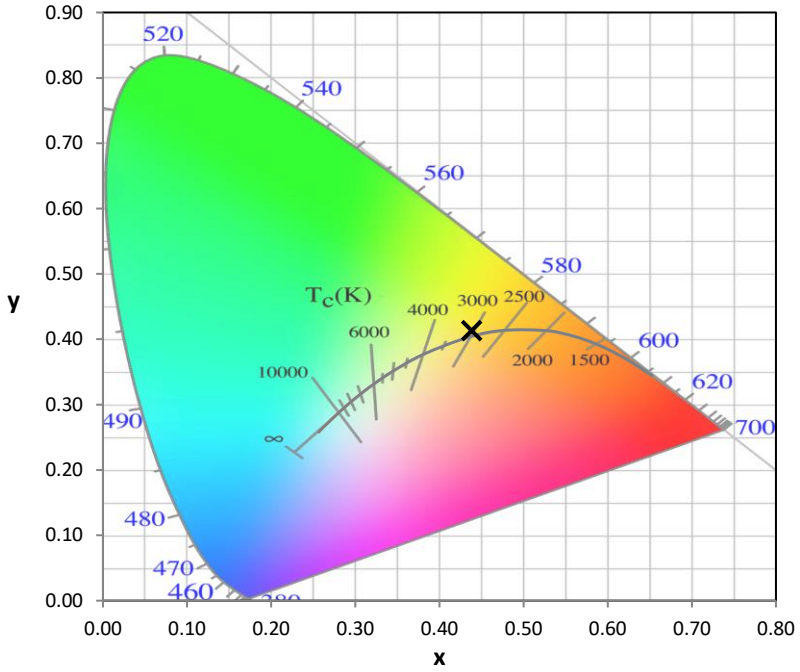
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

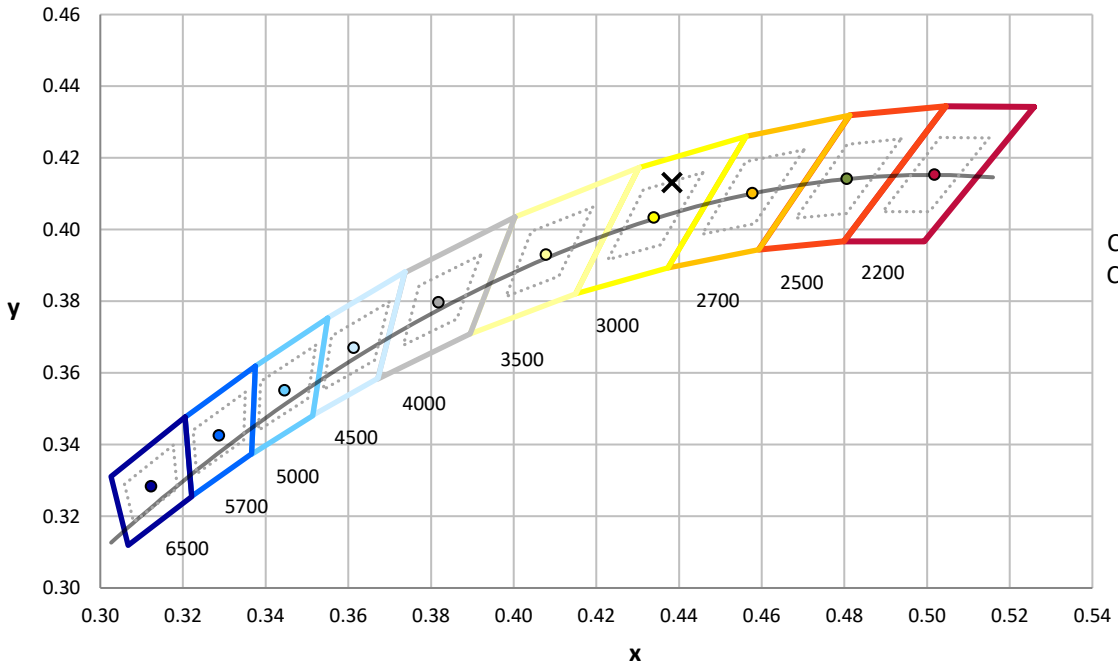
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

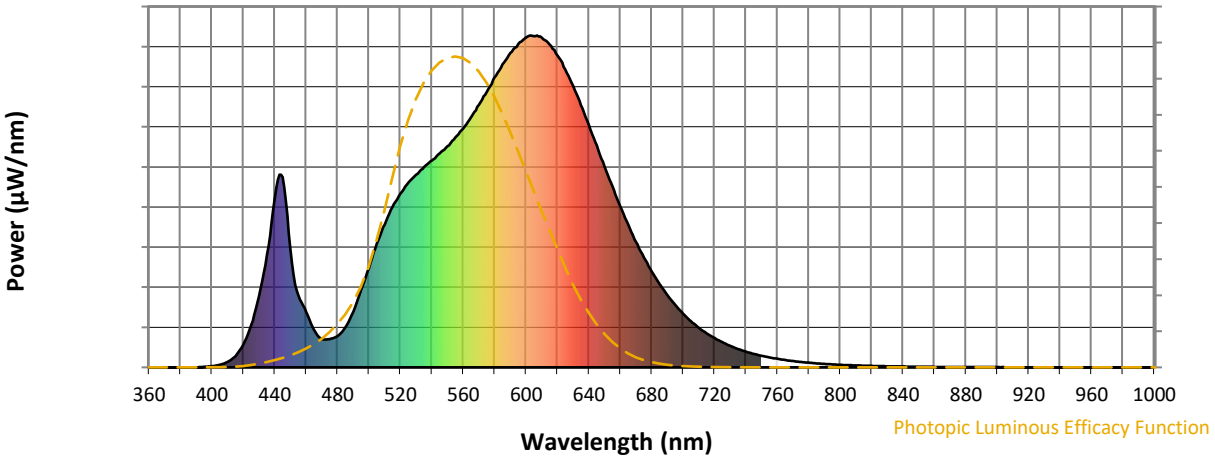


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

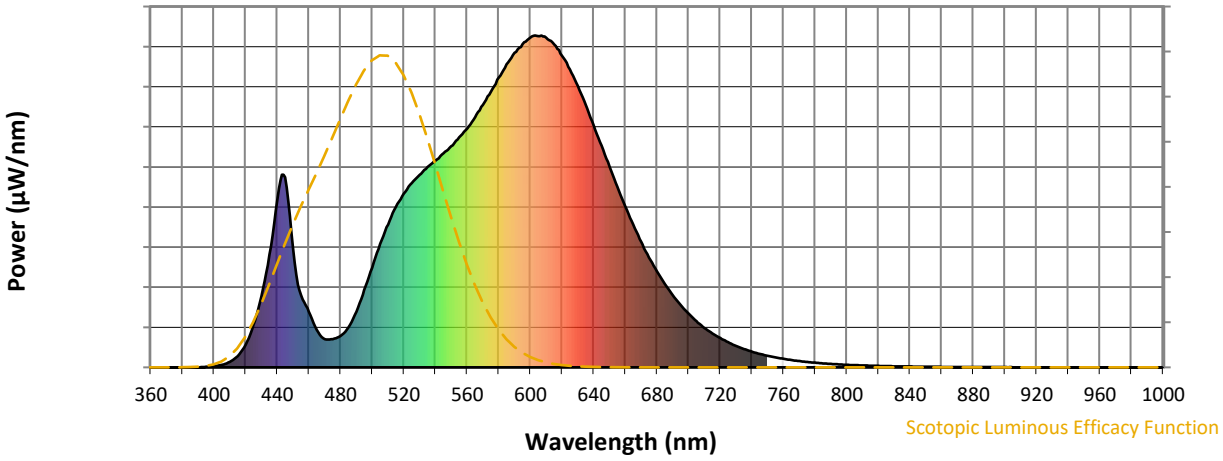


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

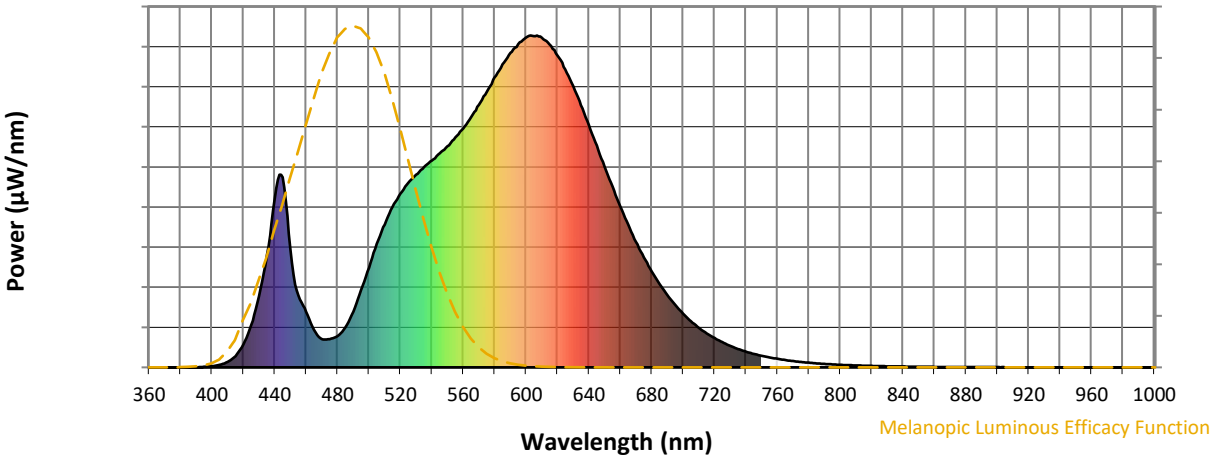


Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

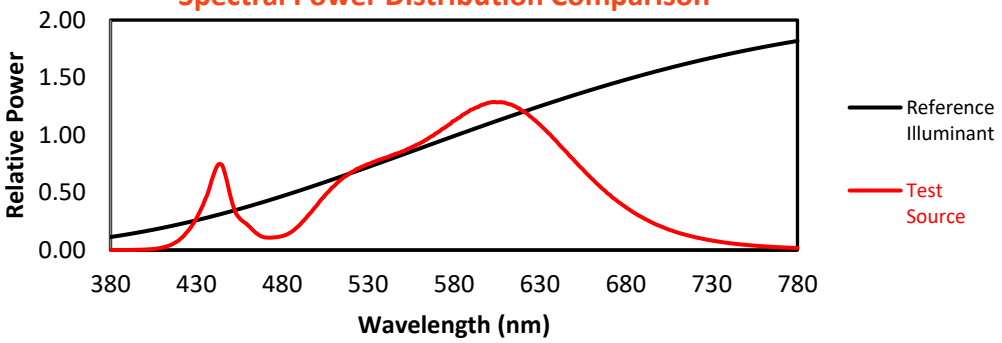
REPORT NUMBER: SP1-2408-195-9

TM-30-18

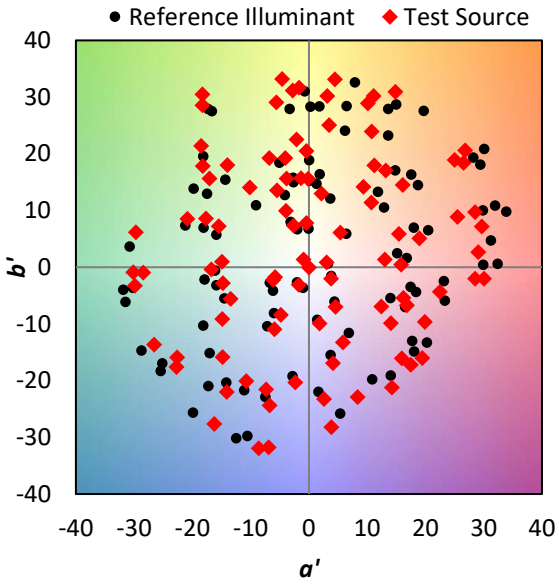
Summary

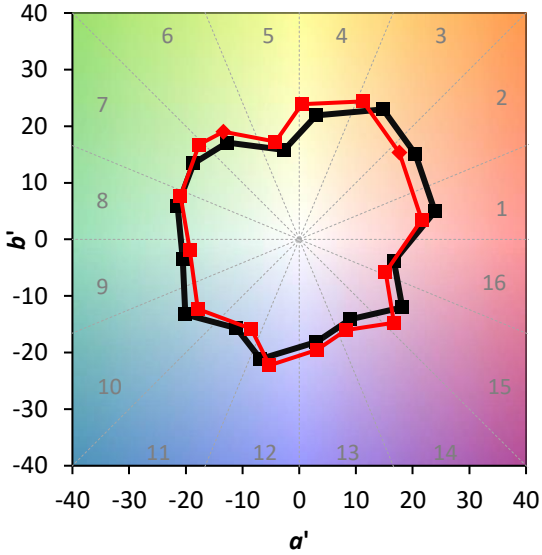
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

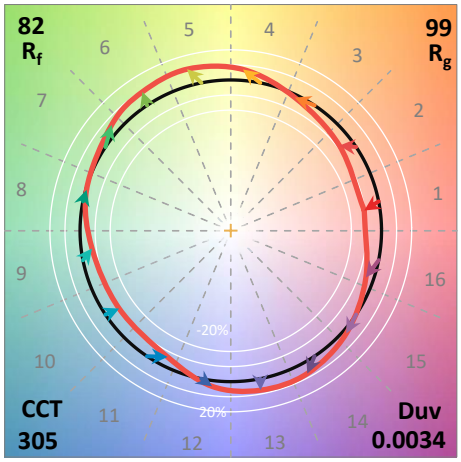
Spectral Power Distribution Comparison

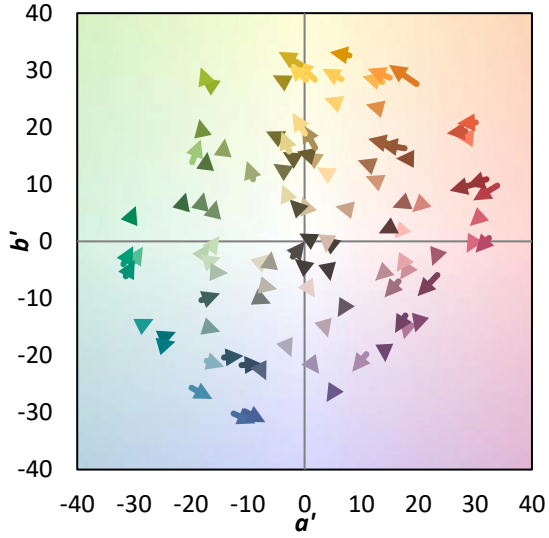


Color Vector Graphics







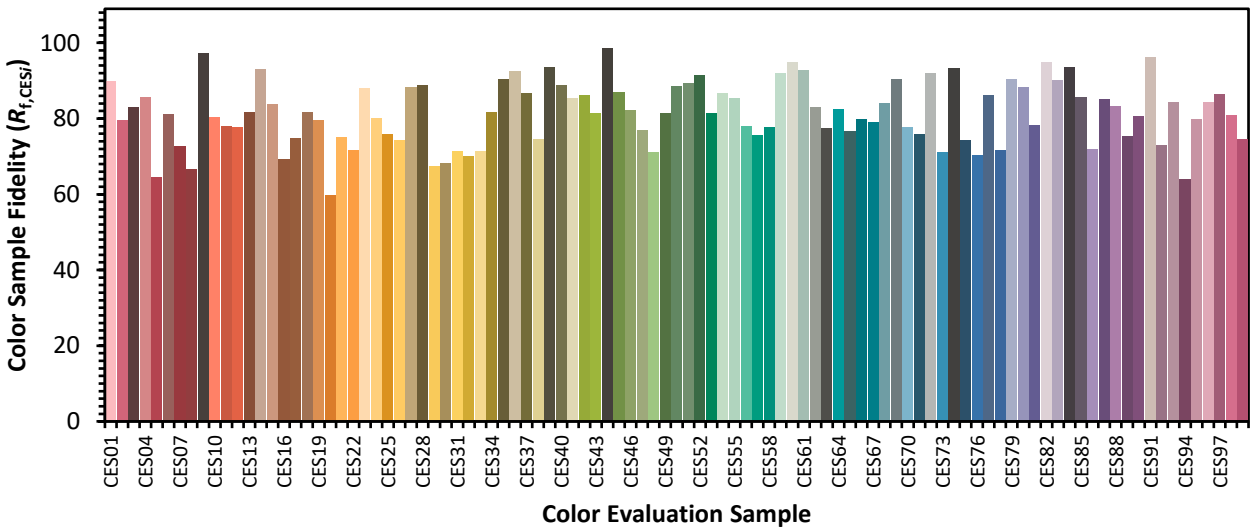


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

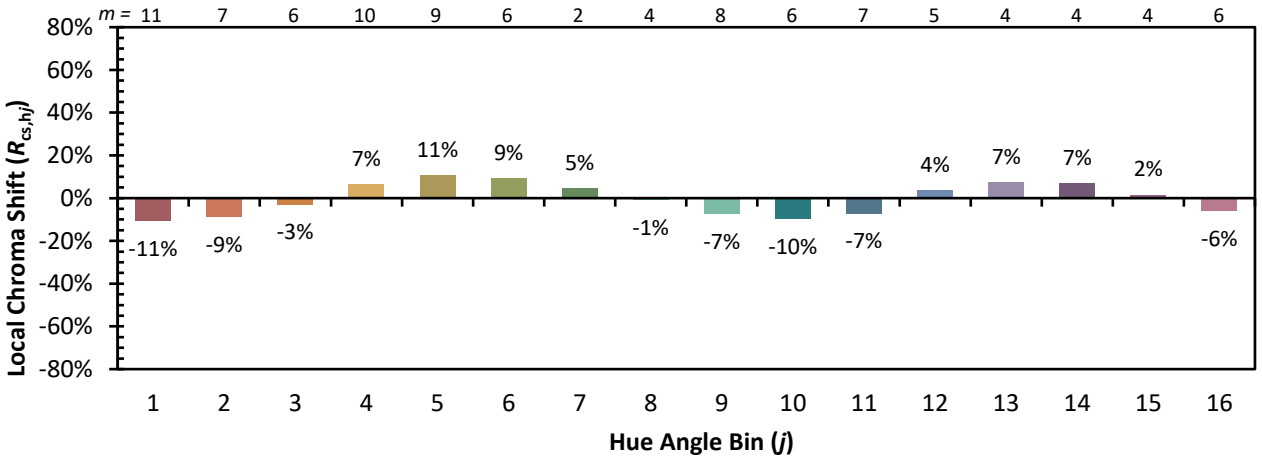
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

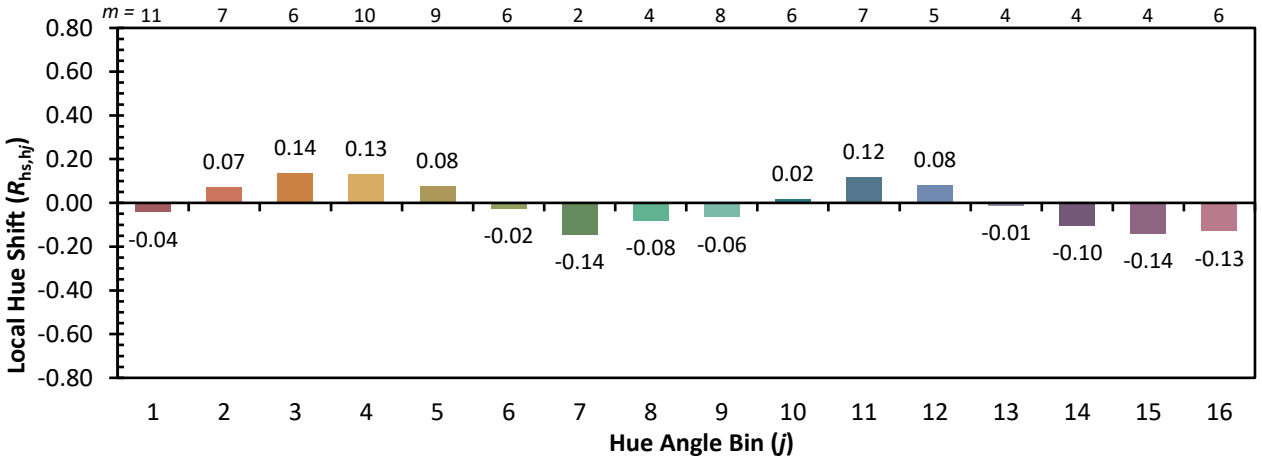


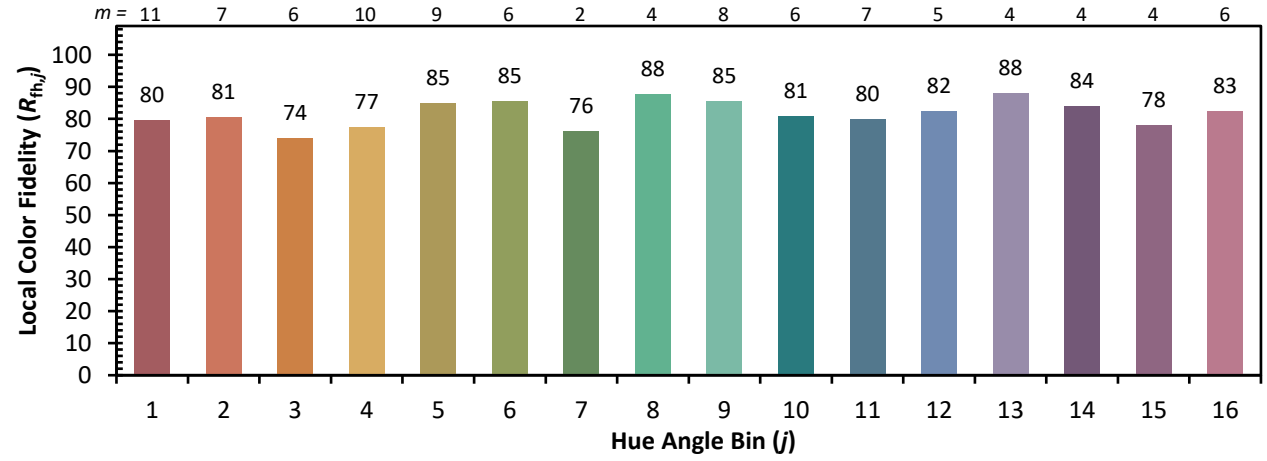
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



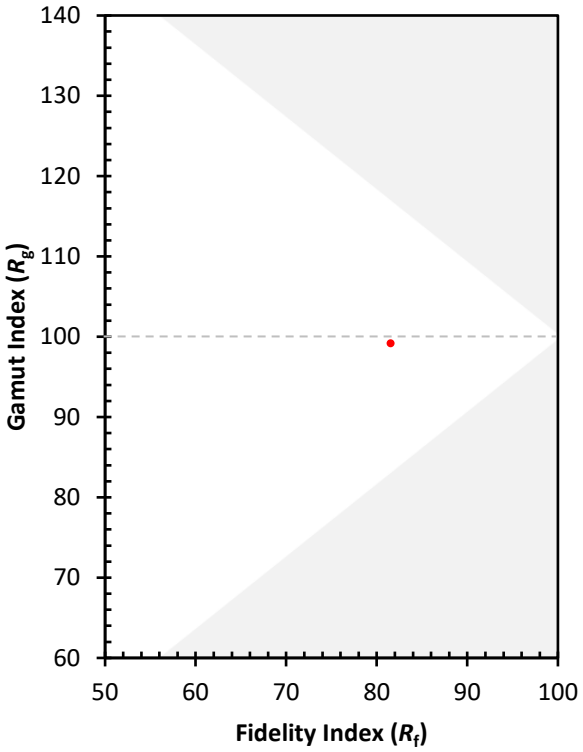


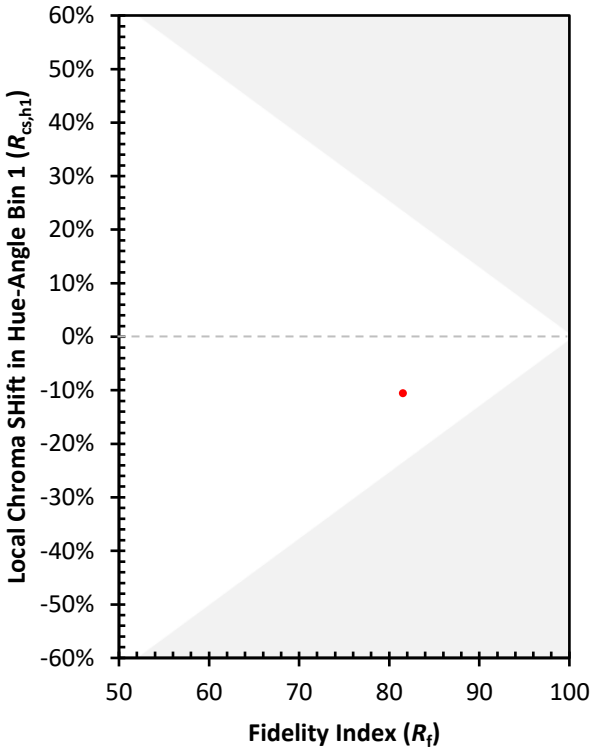


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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